

Claims

1. A self-closing drawer guide (10) with a guide rail (12) attached to a body wall (14) of an item of furniture, and a running rail (16) that is movably supported relative to the guide rail (12) and attached to the drawer (20), optionally with an interposed center rail (22), whereby a movable ratchet element (28) that is pretensioned in two end positions that are spaced apart in the movement direction of the drawer is provided in a ratchet housing (32) arranged on one of the two aforementioned outer rails (16 or 12), with the ratchet element having a receptacle for a catch (30), which enters the receptacle when the rails move relative to each other to approach the closed position, thereby disengaging the pretensioned movable ratchet element (28) from the corresponding end position and moving the ratchet element (28) by spring tension into the other end position, the ratchet element (28) entraining the corresponding rail by the catch (30) held in the receptacle in the closing direction of the drawer,
characterized in
that the spring assembly comprises a piston (52) disposed in an elongated cylindrical housing (42) with a piston rod (46) that is attached to the piston and projects outwardly from one end of the cylindrical housing (42),
that the spring (58) of the spring assembly that pretensions the movable ratchet element (28) via the piston rod (46) is arranged between the piston (52) and one of the end walls (44) that at least partially close off the end face of the cylindrical housing (42), and

that the housing (42) of the spring assembly is fixedly arranged on the rail (16) that supports the movable ratchet element (28).

2. The self-closing drawer guide of claim 1, characterized in that the end of the ratchet housing (32) facing the piston rod (32) that operates the ratchet element (28) is provided with an elongated extension (34) which supports the cylindrical housing (42) that receives the pretensioned spring (58).
3. The self-closing drawer guide of claim 2, characterized in that the ratchet housing (32) and the extension (34) that supports the cylindrical housing (42) form an elongated rail-like integral component.
4. The self-closing drawer guide of claim 3, characterized in that the integral component is an integrated plastic component.
5. The self-closing drawer guide according to one of claims 1 to 4 for a full extension, with a center rail (22) disposed between the running rail and the guide rail (16 and 12) and supported for longitudinal movement relative to these rails, said center rail (22) supporting the running rail and the guide rail with a vertical mutual spacing therebetween, characterized in that the ratchet housing (32) and the spring assembly are arranged in the intermediate space between the running rail and the guide rail (16 and 22, respectively).

6. The self-closing drawer guide of claim 5, characterized in that the ratchet housing (32) that movably supports the ratchet element (28) is arranged on the running rail (16), while the catch (30) is arranged on the guide rail (12).